

**WHAT IS CLAIMED IS:**

1 1. A mobile computing system comprising:  
 2 a personal computer architecture system (PC);  
 3 a personal digital assistant architecture system (PDA);  
 4 a switch;  
 5 a first bus connecting the PC to the switch and the PDA to the switch, whereby  
 6 the switch isolates control of the mobile computing system to either the  
 7 PC or the PDA; and  
 8 a communication device connecting the PC and the PDA wherein the PDA or  
 9 the PC readily is able to interface to the communication device.

1 2. The mobile computing system of claim 1 further comprising:  
 2 a set of peripheral input output devices selectively controllable by either the  
 3 PC or the PDA system.

1 3. The mobile computing system of claim 1 further comprising:  
 2 a second bus that connects the PC to the communication device; and a third  
 3 bus that connects the PDA to the communication device whereby the  
 4 PC and the PDA are readily able to interface to the communication  
 5 device.

1 4. The mobile computing system of claim 2 further comprising:  
 2 a second bus that connects the PC to the communication device; and  
 3 a third bus that connects the PDA, and the set of peripheral input output  
 4 devices to the communication device, whereby the PC interfaces to the  
 5 communication device and the set of peripheral input output devices  
 6 when active, and the PDA interfaces to the communication device and  
 7 the set of peripheral input output devices when active.

1           5.       The mobile computing system of claim 3 wherein the PDA is a slave  
2 device and the PC is a master device along the third bus.

1           6.       The mobile computing system of claim 4 wherein the PDA is a slave  
2 device and the PC is a master device along the third bus.

1           7.       The mobile computing system of claim 3 wherein the second bus is a  
2 peripheral component interconnect (PCI) bus and the third bus is a low pin count  
3 (LPC) bus.

1           8.       The mobile computing system of claim 4 wherein the second bus is a  
2 peripheral component interconnect (PCI) bus and the third bus is a low pin count  
3 (LPC) bus.

1           9.       The mobile computing system of claim 1 wherein the PDA is  
2 integrated into a mini PCI card.

1           10.      The mobile computing system of claim 1 wherein the PDA is  
2 integrated into a PC system board.  
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1           11.      The mobile computing system of claim 1 wherein the PDA and the  
2 communication device are integrated into a mini PCI card.  
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1           12.      The mobile computing system of claim 1 wherein the PDA and the  
2 communication device are integrated into a PC system board.

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13. A method of providing communication access in a dual PC and PDA computing system comprising of:

- 3 connecting a PC system to a communication device;  
4 connecting a PDA system to the communication device;  
5 isolating control of the communication device to the PDA when the PC is  
6 inactive; and  
7 isolating control of the communication device to the PC when the PDA is  
8 inactive.

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14. The method of claim 13 further comprising:  
providing information from the PDA to the PC when the PC is active.

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15. The method of claim 13 wherein the communication device is a  
wireless communication technology device.

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16. The method of claim 13 further comprising:  
connecting the PC system and the PDA system to a common set of peripheral  
input output devices; and  
providing control of the peripheral input output devices to the PC system when  
the PC system is in control and the PDA system when the PDA is in  
control.